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# THE BOLLINGTON URBAN DISTRICT COUNCIL.

## ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH 1946

### 1. - GENERAL STATISTICS

| | |
|---|---|
| Population | 4,907 |
| Area (Acres) | 1,442 |
| Number of inhabited houses | 1,667 |
| Estimated net produce of a penny rate | £90. |

### 2.- EXTRACTS FROM VITAL STATISTICS FOR THE YEAR

Births.

| | Males | Females | Total. |
|---|---|---|---|
| Legitimate | 32 | 32 | 64 |
| Illegitimate | 1 | 2 | 3 |
| | 33 | 34 | 67 |

Live Birth Rate 13.6 per 1,000 of estimated population.

| | Males | Females | Total |
|---|---|---|---|
| Still Births | 1 | 1 | 2 |

Birth rate of Stillborn children 28.9 per 1,000 total live and still births.

Deaths (All Ages)

| | Males | Females | Total |
|---|---|---|---|
| | 33 | 36 | 69 |

| | |
|---|---|
| Crude Death Rate | 14.0 per 1,000 |
| Puerperal Sepsis | Nil |
| Other Puerperal causes | Nil |
| Rate per 1,000 births | Nil |

Deaths of Children under 1 year

| | Males | Females | Total |
|---|---|---|---|
| Legitimate | 1 | - | 1 |
| Illegitimate | - | - | - |

Death Rate of infants under 1 year of age per 1,000 live births - 14.9

| | |
|---|---|
| Legitimate | 14.9 |
| Illegitimate | Nil |

Number of women dying consequent of Child Birth - Nil.

Death Rate from Tuberculosis. 1946

Pulmonary Nil per 1,000 estimated population.
Non-Pulmonary .10 per 1,000 estimated population.

Death Rate from Cancer 2.2 per 1,000 estimated population.

| | | |
|---|---|---|
| " " " | Measles (All Ages) | Nil |
| " " " | Whooping Cough | Nil |
| " " " | Diarrhoea (under 2 years) | Nil |

From the above figures the outstanding features are:-

During 1946 there were no noteworthy causes of sickness, nor had we any deaths from Whooping Cough, Diptheria or Measles, or any other of the Epidemic Diseases, which is a very satisfactory state of affairs.

During 1946 there were no deaths in the village due to Childbirth and no cases of puerperal sepsis, which is very satisfactory, and has been so now for a number of years.

The Chief Causes of Deaths for 1946 are as follows:-

| | Males | Females. |
|---|---|---|
| Tuberculosis (Respiratory) | - | - |
| Tuberculosis (Other Forms) | 1 | - |
| Cancer of Stomach or Duodenum | 1 | 1 |
| Cancer | 4 | 4 |
| Cancer of Breast. | - | 1 |
| Intra-Cranial Vasculas Lesions | 3 | 2 |
| Heart Disease | 8 | 10 |
| Other Circulatory Diseases | 5 | 8 |
| Bronchitis | 2 | 2 |
| Pneumonia | 2 | - |
| Other Respiratory Diseases | - | - |
| Digestive Disorders. | 1 | - |
| Nephritis | - | 2 |
| Premature Birth | 1 | - |
| Congenital Malformation. | - | - |
| Road Traffic. | - | - |
| Measles. | - | - |
| Syphilitic Disease | - | - |
| Diabetes | - | - |
| Diarrhoea under 2 years | - | - |
| Other Violent Deaths. | - | 1 |
| Suicide | - | 1 |
| Influnza | - | - |
| Acute Infantile Encephalitis | - | - |
| All other Causes | 5 | 4 |
| | 33 | 36 |

NOTIFIABLE DISEASES DURING THE YEAR

| Disease | No. of Cases | No. Admitted to Hospital | Deaths |
|---|---|---|---|
| Measles | 1 | - | - |
| Scarlet Fever | 1 | 1 | - |
| Diptheria | 1 | 1 | - |
| Tyhhoid | - | - | - |
| Puerperal Pyrixia | - | - | - |
| Pneumonia | 5 | - | - |
| Erisipelas | 4 | 1 | - |
| Chicken Pox | 4 | - | - |
| Influenza Meningitis | - | - | - |
| Whooping Cough | 1 | - | - |
| Cerebal Spinal Fever | - | - | - |

A Scheme for free artificial immunisation of children against Diptheria has been available in my Council's District since 1939 and the number of children who have received the above treatment up to the present time is - 1,058. Further propagander was carried out again in the schools and homes which revived interest and the figures are quite good.

Our rates for the number of cases of Scarlet Fever and Diptheria notified per 1,000 are respectively ·10 and Nil.

The cost to the Council for patients admitted to the Macclesfield Isolation Hospital was £273.

There has been no cases of Opthalmia Neonatorum during the year 1946

## TUBERCULOSIS

| Age Period | NEW CASES Pulmonary Males | NEW CASES Pulmonary Females | NEW CASES Non-Pulmonary Males | NEW CASES Non-Pulmonary Females | DEATHS Pulmonary Males | DEATHS Pulmonary Females | DEATHS Non-Pulmonary Males | DEATHS Non-Pulmonary Females |
|---|---|---|---|---|---|---|---|---|
| 0 | - | - | - | - | - | - | - | - |
| 1 | - | - | - | - | - | - | - | - |
| 5 | - | - | - | - | - | - | - | - |
| 10 | - | - | - | - | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - | - | - |
| 35 | - | - | - | - | - | - | - | - |
| 45 | - | - | - | - | - | - | - | - |
| 55 | - | - | - | - | - | - | 1 | - |
| 65 | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | 1 | - |

It has not been found necessary to take any action under the Public Health Prevention of Tuberculoses Regulation,1928. During 1946 - 16 specimens of Sputum were examined for Tuberculosis, 16 being negative and Nil positive.

## SUMMARY OF NURSING ARRANGEMENTS HOSPITALS AND OTHER INSTITUTIONS FOR THE DISTRICT

(a) Infectious Diseases. An agreement with the Macclesfield Corporation to provide sufficient beds in the new joint Hospital Scheme is in force.

Under the new arrangements it will be possible to admit and isolate several other diseases apart from Scarlet Fever and Diptheria, viz Whooping Cough Measles and Puerperal Pyrixia.

During 1946-5 cases of infectious diseases, viz 1 Scarlet Fever, 2 Gastro Enteritis, 1 Diptheria, 1 Erisipelas were referred to Hospital for treatment.

(b) Small Pox. During 1946 there have been no cases of Small Pox. My Council have an agreement with the Congleton & District Joint Small Pox Hospital Committee for the reception of Small Pox Cases for next two years.

(c) Tuberculosis These cases are dealt with:-

(a) Domiciliary Treatment under the care of own Doctor.
(b) Hospital )
(c) Sanitorium ) Under the care of Cheshire County Tuberculosis Scheme
(d) Dispensary )

(d) Venereal Disease Our nearest centre for the treatment of these diseases is West Park Hospital and it is under the supervision of the Cheshire County Authorities.

(e) Ambulance Facilities. Cases of sickness or accident requiring removal to Hospital are conveyed by the Macclesfield Borough Ambulance or by private conveyance. Arrangements have now been made with the Macclesfield Corporation for the use of the Borough Ambulance in necessitious cases and from my experience this is proving very efficacious and they are very quick in their response to any calls

Infectious Diseases cases are conveyed by the Macclesfield Fever Ambulance.

There are male and female contingents of the St. John Ambulance Association in the district who are always willing to render first aid and are of considerable help in a scattered industrial area such as Bollington.

(f) School Children. The routine medical examination of School Children is carried out by the staff of the Health Department of the Cheshire County Council

(g) Home Nursing By Nurses Priest and Hindmarsh who are also our resident Midwives

(h) Pathological Work. Arrangements are now in force with the Laboratory at the Parkside Hospital for the pathological work that may be required to be done by the Health Department. This arrangement is more satisfactory than our previous one, since it is more expeditious and the postal delay is saved.
(i) My Council have an arrangement with the Macclesfield Infirmary Mortuary for any cases requiring Post Mortem Examination.
(j) Public Health Staff A Part-time Medical Officer, John W. Chadwick, M.R.C.S. (Eng) L.R.C.P.(Lon) D.P.H. (Man) and a part-time Sanitary Inspector, Chas.A. Smith, Certified Royal Sanitary Institute, Certified Sanitary Inspector (Man Univ).

## SANITARY ADMINISTRATION.

WATER. The water supplied in the area and bulk supplies to the Macclesfield Rural District Parishes of Adlington, Prestbury and Rainow have been satisfactory in quality and quantity.
The Council's Consulting Analyst, Messrs. Melling & Ardern visit the Undertaking three times per year and at their descretion send for samples for examination.
16 Samples were submitted for Bacteriological Examination.

9 Raw Water - Analyst report 'All waters are of perfectly sound and wholesome quality.

2 Raw Water - Analyst report - The incidence of B.Coli in the raw water indicates some infiltration from Cultivated Land but the count was negligible at 37°C.

5 Chlorinated Analyst report 'All waters are of perfectly sound and wholesome quality.

3 Samples were submitted for Chemical analysis, results expressed in parts per 100,000

| | | | | |
|---|---|---|---|---|
| Total solids in solution | ..... | 13.6 | 15.2 | 16.0 |
| Non-volatile solids | ..... | 12.0 | 13.2 | 13.6. |
| Loss on ignition | ..... | 1.6 | 2.0 | 2.4 |
| Total Hardness | ..... | 8.0 | 9.0 | 9.0 |
| Temporary " | ..... | 5.4 | 7.8 | 8.6 |
| Permanent " | ..... | 2.6 | 1.2 | 0.4 |
| Combined chlorine | ..... | 1.2 | 1.2 | 1.25 |
| Heavy (toxic) metals | ..... | Nil | Nil | Nil |
| Ammoniacal nitrogen | ..... | Nil | Nil | Nil |
| Albuminoid " | ..... | Nil | Nil | 0.004 |
| Nitrous " | ..... | Nil | Nil | Nil |
| Nitric " | ..... | 0.20 | 0.12 | 0.05 |
| Oxygen absorbed in 3 hrs @ 26.7°C | ..... | Nil | 0.008 | Nil |

There are 1,667 houses in the Urban District, all but 9 are on the Public Supply
1,655 are supplied direct to the houses (population 4,623)
3 are supplied by stand pipe (population 8)

DRAINAGE AND SEWERAGE. Particulars of any important extention of the Sewerage System - None.
Particulars of any part of the district which is in need of improved sewerage facilities or sewage disposal works - None.
No complaints have been received in respect of the effluent from the Sewage Works during the year.

CLOSET ACCOMMODATION. Number of conversions from conservancy system to water carriage during the year - Six. These were not connected to public sewers but treated by septic tank.

HOUSING. This authority have, with minor exception, adopted the Housing Standard approved by the Joint County dvisary Committee on Rural Housing and recommended by the Cheshire County Council

PUBLIC CLEANSING. Particulars of any extention or improvement during the year in the arrangements for public cleansing - None

MEAT AND OTHER FOODS. The Sanitary Inspector has co-operated with the Sanitary Inspector of the Macclesfield Rural District Council in carrying out the duties of meat inspection at the Ministry of Food central slaughterhouse in Macclesfield in respect of meat for consumption in their respective districts. 4 parcels of various other foods have been condemned during 1946.

MILK SAMPLES. 4 samples of Milk were forwarded to the Public Health Laboratory, Manchester for examination. 2 were satisfactory and 2 unsatisfactory.

In conclusion, I should like to thank Mr. C.A.Smith, the Sanitary Inspector, who is always willing to render any assistance and carry out instructions in connection with the health of the township.